

## Single Mode Fiber: 1260 nm to 1625 nm

### Features

- Shipped from Stock, No Minimums
- Acrylate Coating
- SMF-28-J9 has a Ø900 µm Tight Buffer Outer Jacket
- Core-Clad Concentricity
  - <0.5 µm for SMF-28-J9, 1310BHP, and 1550BHP,
  - ≤0.75 µm for SM1250G80 and SM1500G80
- 1310BHP, and 1550BHP Offer Tight Second Mode Cutoff Tolerances
- SM1250G80 and SM1500G80 Offer Enhanced Bend Insensitivity
- Recommended Stripping Tools (See Page XXX):
  - T04S10 (Ø80 µm Cladding)
  - T06S13 (Ø125 µm Cladding, Use T08S40 for SMF-28 Series)

ITEM #	OPERATING WAVELENGTH	MODE FIELD DIAMETER	CLADDING DIAMETER	COATING DIAMETER	CUTOFF WAVELENGTH	SHORT- (LONG-) TERM BEND RADIUS	ATTENUATION MAXIMUM	NA
SMF-28-J9	1260 - 1625 nm	9.2 ± 0.4 µm @ 1310 nm 10.4 ± 0.5 µm @ 1550 nm	125 ± 0.7 µm	245 ± 5 µm	<1260 nm	-	0.33 - 0.35 dB/km @ 1310 nm 0.19 - 0.20 dB/km @ 1550 nm	0.14
1310BHP	1300 - 1625 nm	8.6 ± 0.5 µm @ 1310 nm 9.7 ± 0.5 µm @ 1550 nm	125 ± 1.0 µm	245 ± 15 µm	1260 ± 30 nm	≥6 mm (≥13 mm)	0.5 dB/km @ 1310 nm 0.5 dB/km @ 1550 nm	0.13
SM1250G80	1260 - 1650 nm <sup>a</sup>	9.0 µm @ 1310 nm 10.5 µm @ 1550 nm	80 ± 1.0 µm	175 µm ± 5%	1150 - 1250 nm	≥5 mm (≥12 mm or 38 mm for 25 Year Life)	≤2 dB/km @ 1310 nm and 1550 nm	0.12 <sup>b</sup>
1550BHP	1460 - 1620 nm	9.5 ± 0.5 µm @ 1550 nm	125 ± 1.0 µm	245 ± 15 µm	1400 ± 50 nm	≥6 mm (≥13 mm)	0.5 dB/km @ 1550 nm	0.13
SM1500G80	1550 - 1700 nm <sup>a</sup>	6.4 µm @ 1550 nm	80 ± 1.0 µm	175 µm ± 5%	1350 - 1500 nm	≥5 mm (≥12 mm or 38 mm for 25 Year Life)	≤2 dB/km @ 1550 nm	0.20 <sup>c</sup>

<sup>a</sup>Wavelength range is illustrative and not guaranteed. <sup>b</sup>0.11 ≤ NA ≤ 0.13 <sup>c</sup>0.19 ≤ NA ≤ 0.21

### Popular Compatible Connectors (See Page XXX)

CLADDING DIAMETER	FC/PC CONNECTOR	FC/APC CONNECTOR*
80 µm	30080D1	N/A
125 µm	30126D1	30126K1 (Ø900 µm) 30126F1 (Ø3 mm)

\*Furcation Tubing Diameter is given in Parentheses

### Standard Length Pricing (Longer Lengths Available)

ITEM #	\$	£	€	RMB	DESCRIPTION
SMF-28-10	\$ 8.06	£ 5.80	€ 7.01	¥ 64.24	10 m SMF-28-J9 w/ Ø900 µm Jacket
SMF-28-100	\$ 51.51	£ 37.09	€ 44.81	¥410.53	100 m SMF-28-J9 w/ Ø900 µm Jacket
SMF-28-1000	\$464.60	£334.51	€ 404.20	¥3,702.86	1000 m SMF-28-J9 w/ Ø900 µm Jacket

ITEM #	PRICE/m*	\$	£	€	RMB
SMF-28-J9	1 to >100 m	\$ 0.70	£ 0.50	€ 0.61	¥ 5.58
	1 to 9 m	\$ 4.80	£ 3.46	€ 4.18	¥ 38.26
1310BHP	10 to 49 m	\$ 4.08	£ 2.94	€ 3.55	¥ 32.52
	50 to 249 m	\$ 3.36	£ 2.42	€ 2.93	¥ 26.78
SM1250G80	1 to 9 m	\$ 4.60	£ 3.32	€ 4.01	¥ 36.67
	10 to 49 m	\$ 3.91	£ 2.82	€ 3.41	¥ 31.17
1550BHP	50 to 249 m	\$ 3.22	£ 2.32	€ 2.81	¥ 25.67
	1 to 9 m	\$ 4.80	£ 3.46	€ 4.18	¥ 38.26
SM1500G80	10 to 49 m	\$ 4.08	£ 2.94	€ 3.55	¥ 32.52
	50 to 249 m	\$ 3.36	£ 2.42	€ 2.93	¥ 26.78
SM1500G80	1 to 9 m	\$ 4.60	£ 3.32	€ 4.01	¥ 36.67
	10 to 49 m	\$ 3.91	£ 2.82	€ 3.41	¥ 31.17
50 to 249 m	\$ 3.22	£ 2.32	€ 2.81	¥ 25.67	

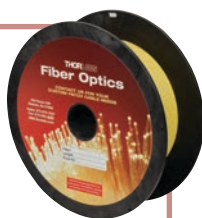
\*Call for Quantities Over 250 m

## Bend-Insensitive Single Mode Fiber: 1260 nm to 1625 nm

ITEM #	OPERATING WAVELENGTH	MODE FIELD DIAMETER	CLADDING DIAMETER	COATING DIAMETER	CUTOFF WAVELENGTH	SHORT- (LONG-) TERM BEND RADIUS	ATTENUATION MAXIMUM	NA
CCC1310-J9	1260 - 1625 nm	8.6 ± 0.4 µm @ 1310 nm 9.8 ± 0.5 µm @ 1550 nm	125.0 ± 0.7 µm	245.0 ± 5.0 µm	≤1260 nm	-	≤0.33 dB/km @ 1310 nm ≤0.21 dB/km @ 1550 nm	0.14

### Features

- SMicrobend Loss 10.0 mm Radius, 1 Turn
  - 0.50 dB @ 1550 nm
  - 1.5 dB @ 1625 nm
- Dispersion [ps/(nm \* km)]
  - ≤18.0 @ 1550 nm
  - ≤22.0 @ 1625 nm
- Polarization Mode Dispersion (ps/√km)
  - PMD Link Design Value ≤ 0.06
  - Maximum Individual Fiber PMD ≤ 0.1
- Ø900 µm Jacket
- Recommended Stripping Tool: T08S40 (Page XXX)



This bend-insensitive single mode fiber has enhanced macrobend features leading to superior performance when confined to a small radius compared to other single mode fibers. This fiber exceeds the ITU-T recommendation G.657.A1 in addition to remaining fully compliant with ITU-T Recommendation G.652.D. Our bend-insensitive optical fiber is also compatible with the installed base of SMF-28e and SMF-28e+ fiber.

### Popular Compatible Connectors (See Page XXX)

CLADDING DIAMETER	FC/PC CONNECTOR	FC/APC CONNECTOR
125 µm	30126D1	30126K1

ITEM #	PRICE/m*	\$	£	€	RMB
CCC1310-J9	1 to 9 m	\$ 3.50	£ 2.52	€ 3.05	¥ 27.90
	10 to 49 m	\$ 2.98	£ 2.15	€ 2.59	¥ 23.72
	50 to 249 m	\$ 2.45	£ 1.77	€ 2.14	¥ 19.53

\*Call for Quantities Over 250 m

Do you need...

SMF-28-J9 and 1550BHP Patch Cables



See pages XXX - XXX